



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

08/973,018 03/25/98 LEIJON

M 70558-2/8240

EXAMINER

MMC1/0416

WATSON COLE GRINDLE WATSON
1400 K STREET N W
SUITE 1000
WASHINGTON DC 20005-2477

ENAD-E
ART UNIT

PAPER NUMBER

2834
DATE MAILED:

04/16/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
08/973,018

Applicant(s)
Leijon et al.

Examiner
Enad, Elvin

Group Art Unit
2834



☒ Responsive to communication(s) filed on (Aug 7, 2000 and March 2, 2001)

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-10, 13-18, 20-34, 37-41, and 50 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-10, 13-18, 20-34, 37-41, and 50 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☐ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 23

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2834

DETAILED ACTION

Continued Prosecution Application

1. The request filed on August 07, 2000 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 08/973,018 is acceptable and a CPA has been established. An action on the CPA follows.

It is noted that the CPA request did not indicate entry of the unentered amendment previously filed on April 5, 2000. Claims 1-10,13-18,20-32,34,37-41 and 44-50 are pending in this application.

Information Disclosure Statement

2. Receipt of the IDS Form 1449 filed on August 8, 2000, is acknowledged. A copy of the signed Form 1449 will be provided when the application is allowed.

Claim Objections

3. Claim 33 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. The limitations set forth in the claims do not further limit the hydrogenerator plant but instead define a procedure outside the structure of the plant.

Art Unit: 2834

Claim Rejections - 35 USC § 112

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 1 and 37 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The amendment to claim 1 which recites .a solid insulation covering the conductors and “in electrical contact with the uninsulated strand...” do not have support in the specification. A similar recitation is found in claim 37.

6. Claims 1, 24 and 25 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 6, the limitation pertaining to the solid insulation covering surrounding the conductors and in “electrical contact” with the uninsulated strand...is confusing since the solid insulation is nonconductive.

In regard to claims 24 and 25, the claims are indefinite, lacking positive limitation.

Art Unit: 2834

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-10,13-18,20-32,34,37-41 and 44-50 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Titus (USP 5,550,410) in view of Elton et al. (USP 4,853,565) and further in view of Takaoka et al. (USP 5,094,703).

Titus discloses the claimed invention except for a teaching of having the generator with windings comprising a plurality of insulated conductive elements and an at least one uninsulated conductive elements. Titus discloses a gas turbine electrical power generating apparatus comprising of a plurality of combustion turbine generators. As seen in figure 1, the turbine 16 is directly coupled to the generator 20 by shaft 18 and can be operated at speeds higher than 3,600 RPM in order to obtain greater turbine energy conversion efficiency.

Elton et al. teach that it is known to provide a semiconducting layer in the insulation of a conductor and to connect that layer to a fixed potential in order to provide an equipotential surface on the conductor preventing corona discharge around the conductors.

Takaoka et al., as seen in figures 7,8,10 and 11 teach having a stranded conductor for an electrical cable comprising a combination of uninsulated stranded conductor and an insulated stranded conductor.

Art Unit: 2834

Response to Arguments

11. Applicant's arguments filed on September 21, 1999, have been fully considered but they are not persuasive. In response to applicant's arguments that Elton fails to suggest or teach the use of his cable in a dynamo-electric machine, applicant's attention is directed to the abstract whereby Elton suggests that his insulated conductor may be used in windings of dynamoelectric machine. Moreover, Elton also provide a solid insulating system, element **106** as seen in figure 1.

Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elvin Enad whose telephone number is (703) 308-7619. The examiner can normally be reached on Monday-Friday from 8:00AM to 4:00PM.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez, can be reached on (703) 308-1371. The fax phone number for this Tech Center is (703) 305-3431(32).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.



Elvin Enad
Primary Examiner
Art Unit 2834
04.05.2001



Creation date: 04-12-2004
Indexing Officer: LTRUONG5 - LAN-HUONG TRUONG
Team: OIPEBackFileIndexing
Dossier: 08973018

Legal Date: 03-21-2003

No.	Docode	Number of pages
1	PET.	3

Total number of pages: 3

Remarks:

Order of re-scan issued on